

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-3561	Serial No. 09/315,292
	Applicant Bennett et al.	
	Filing Date May 20, 1999	Group 0635



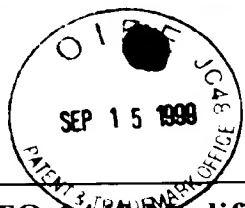
U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>My</i>	AA	5,641,662	06/24/97	Debs et al.	435	172.1

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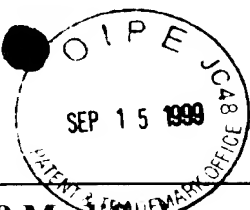
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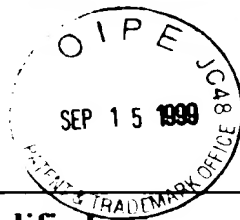


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		Applicants Clarence F. Bennett, et al.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
**	AA	Agrawal, S. et al., Ed., <i>Methods in Molecular Biology</i>, 1994, 26, Humana Press, Totowa, NJ	
ML	AB	Albert, P.R. et al., "Antisense knockouts: molecular scalpels for the dissection of signal transduction", <i>Trends Pharmacol. Sci.</i> , 1994 , 15, 250-254	
ML	AC	Allen, L.V., "Inhalation Products", <i>Secundum Artem</i> (online publication), Printed 8/11/98 , 6(3), 11 pages, available at http://www.paddocklabs.com/secundum/secarndx.html	
ML	AD	Alul, R.H. et al., "Oxalyl-CPG: a labile support for synthesis of sensitive oligonucleotide derivatives", <i>Nuc. Acid Res.</i> , 1991 , 19, 1527-1532	
	AE	Ausubel et al. (Eds.), <i>Short Protocols in Molecular Biology</i> , 2nd Ed., John Wiley & Sons, New York, NY, <i>Chapter 3</i> , 3-11 to 3-38	
	AF	Bailly, C. et al., "PCR-based development of DNA substrates containing modified bases: An efficient system for investigating the role of the exocyclic groups in chemical and structural recognition by minor groove binding drugs and proteins", <i>Proc. Natl. Acad. Sci. USA.</i> , 1996 , 93, 13623-13628	
	AG	Baker et al., "Cleavage of the 5' Cap Structure of mRNA by a Europium (III) Macrocyclic Complex with Pendant Alcohol Groups", <i>J. Am. Chem. Soc.</i> , 1997 , 119, 8749-8755	
	AH	Banchereau et al., "The CD40 Antigen and Its Ligand", <i>Annu. Rev. Immunol.</i> , 1994 , 12, 881-922	
	AI	Beaucage, S.L. et al., "Advances in the Synthesis of Oligonucleotides by the Phosphoramidite Approach", <i>Tetrahedron</i> , 1992 , 48, 2223-2311	
✓	AJ	Beck, S., "Nonradioactive Detection of DNA Using dioxetane Chemiluminescence", <i>Methods in Enzymology</i> , 1992 , 216, 143-153	
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** A copy of this reference will not be forwarded to the Patent Office since it is believed to be too voluminous to send and easily obtainable.



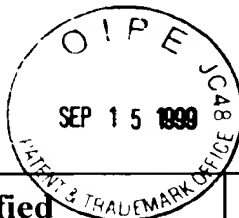
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<i>NY</i>	AK	Berge, S.M. et al., "Pharmaceutical Salts", <i>J. Pharm. Sci.</i> , 1977 , 66, 1-19	
	AL	Bochner et al., "Immunological Aspects of Allergic Asthma", <i>Annu. Rev. Immunol.</i> , 1994 , 12, 295-335	
	AM	Brown, T. et al., "Modern machine-aided methods of oligodeoxyribonucleotide synthesis", <i>Oligonucleotides and Analogs</i> , 1991 , Chapter 1, Ekstein, F., ed., IRL Press, Oxford, 1-24	
	AN	Buzayan, J.M. et al., "Satellite tobacco ringspot virus RNA: A subset of the RNA sequence is sufficient for autolytic processing", <i>Proc. Natl. Acad. Sci. USA</i> , 1986 , 83, 8859-8862	
	AO	Cannon et al., "The Flow-Past Chamber: An Improved Nose-Only Exposure System for Rodents", <i>Amer. Ind. Hyg. Assoc.</i> , 1983 , 44(12), 923-928	
	AP	Chen et al., "Deposition of Cigarette Smoke Particles in the Rat", <i>Fundam. Appl. Toxicol.</i> , 1989 , 13, 429-438	
	AQ	Chollet, A. et al., "DNA containing the base analogue 2-aminoadenine: preparation, use as hybridization probes and cleavage by restriction endonucleases", <i>Nucl. Acids Res.</i> , 1988 , 16, 305-317	
	AR	Cole-Strauss et al., "Correction of the Mutation Responsible for Sickle Cell Anemia by an RNA-DNA Oligonucleotide", <i>Science</i> , 1996 , 273, 1386-1389	
	AS	Cook, P.D., "Medicinal chemistry of antisense oligonucleotides - future opportunities", <i>Anti-Cancer Drug Design</i> , 1991 , 6, 585-607	
<i>✓</i>	AT	Crooke, S.T., "Progress in Antisense Therapeutics", <i>Hematologic Path.</i> , 1995 , 9, 59-72	
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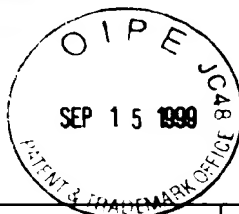
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<i>ms</i>	AV	Crooke, S.T. et al., "Progress in the development and patenting of antisense drug discovery technology", <i>Exp. Opin. Ther. Patents</i> , 1996 , 6, 855-870	
	AW	Dean, N.M. et al., "Inhibition of protein kinase C- α expression in mice after systemic administration of phosphorothioate antisense oligodeoxynucleotides", <i>Proc. Natl. Acad. Sci.</i> , 1994 , 91, 11762-11766	
	AX	Delgado, C. et al., "The Uses and Properties of PEG-Linked Proteins", <i>Crit. Rev. in Therapeutic Drug Carrier Sys.</i> , 1992 , 9, 249-304	
	AY	DeLisser et al., "Molecular and functional aspects of PECAM-1/CD31", <i>Immunol. Today</i> , 1994 , 15, 490-495	
	AZ	Dosaka-Akita et al., "Inhibition of Proliferation by L-myc Antisense DNA for the Translational Initiation Site in Human Small Cell Lung Cancer", <i>Cancer Research</i> , 1995 , 55, 1559-1564	
	BA	Downward, "The ras superfamily of small GTP-binding proteins", <i>Trends Biol. Sci.</i> , 1990 , 15, 469-472	
	BB	Ellington et al., "In vitro selection of RNA molecules that bind specific ligands", <i>Nature</i> , 1990 , 346, 818-822	
	BC	Englisch, U. et al., "Chemically Modified Oligonucleotides as Probes and Inhibitors", <i>Angew. Chem. Int. Ed. Eng.</i> , 1991 , 30, 613-629	
<i>✓</i>	BD	Forster, A.C. et al., "Self-Cleavage of Virusoid RNA is Performed by the Proposed 55-Nucleotide Active Site", <i>Cell</i> , 1987 , 50, 9-16	
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	BF	Gaffney, B.L. et al., "The Influence of the Purine 2-Amino Group on DNA Conformation and Stability-II <i>Tetrahedron</i> , 1984, 40, 3-13	
	BG	Gebeyehu, G. et al., "Novel bitinylated nucleotide - analogs for labeling and colorimetric detection of DNA", <i>Nucl. Acids Res.</i> , 1987 , 15, 4513-4534	
	BH	<i>Genetic Engineering News</i> : "ISIS Pharmaceuticals Demonstrates Efficiency in Crohn's Disease with its Antisense Drug", March 1, 1997 , pgs. 1 and 34	
	BI	Georges, R.N. et al., "Prevention of Orthotopic Human Lung Cancer Growth by Intratracheal Instillation of a Retroviral Antisense K-ras Construct", <i>Cancer Res.</i> , 1993 , 53, 1743-1746	
	BJ	Graham, M.J. et al., "Tritium labeling of antisense oligonucleotides by exchange with tritiated water", <i>Nucl. Acids Res.</i> , 1993 , 21, 3737-3743	
	BK	Greene et al., <i>Protective Groups in Organic Synthesis</i> , 1991 , Chapter 2, John Wiley & Sons, pgs. 11-142	
	BL	Greene et al., <i>Protective Groups in Organic Synthesis</i> , 1991 , Chapter 7, John Wiley & Sons, pgs. 309-405	
	BM	Greve, J.M. et al., "The Major Human Rhinovirus Receptor is ICAM-1", <i>Cell</i> , 1989 , 56, 839-847	
<i>✓</i>	BN	Guerrier-Takada et al., "Phenotypic conversion of drug-resistant bacteria to drug sensitivity", <i>Proc. Natl. Acad. Sci.</i> , 1997 , 94, 8468-8472	
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my	BO	Gundel et al., "Endothelial Leukocyte Adhesion Molecule-1 Mediates Antigen-induced Acute Airway Inflammation and Late-phase Airway Obstruction in Monkeys", <i>J. Clin. Invest.</i> , 1991 , 88, 1407-1411	
	BP	Haseloff et al., "Simple RNA enzymes with new and highly specific endoribonuclease activities", <i>Nature</i> , 1988 , 334, 585-591	
	BQ	Hyrup, B. et al., "Peptide Nucleic Acids (PNA): Synthesis, Properties, and Potential Applications", <i>Biorg. & Med. Chem.</i> , 1996 , 4, 5-23	
	BR	Kabanov, A.V., "A new class of antivirals: antisense oligonucleotides combined with a hydrophobic substituent effectively inhibit influenza virus reproduction and synthesis of virus-specific proteins in MDCK cells", <i>FEBS Letts.</i> , 1990 , 259, 327-330	
	BS	Katocs, A.S. et al., "Biological Testing", <i>Remington's Pharmaceutical Sciences</i> , 18th Ed., Gennaro (ed.), Mack Publishing Co., Easton, PA, 1990 , Ch. 27, 484-494	
	BT	Kornberg, A. et al., <i>DNA Replication</i> , 1980 , W.H. Freeman & Co., San Francisco, 4-7	
	BU	Kroschwitz, J.I., "Polynucleotides", <i>Concise Encyclopedia of Polymer Science and Engineering</i> , 1990 , John Wiley & Sons, New York, 858-859	
✓	BV	Lee, V.H.L. et al., "Mucosal Penetration Enhancers For Facilitation of Peptide and Protein Drug Absorption", <i>Crit. Rev. Ther. Drug Carrier Systems</i> , 1991 , 8, 91-192	
my	BW	Letsinger, R.L. et al., "Cholesteryl-conjugated oligonucleotides: Synthesis, properties and activity as inhibitors of replication of human immunodeficiency virus in cell culture", <i>Proc. Natl. Acad. Sci.</i> , 1989 , 86, 6553-6556	
my	BX	Litwin et al., "Novel Cytokine-independent Induction of Endothelial Adhesion Molecules Regulated by Platelet/Endothelial Cell Adhesion Molecule (CD31)", <i>J. Cell Biol.</i> , 1997 , 139, 219-228	
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<i>ML</i>	BY	Liu et al., "Costimulation of T-cell growth", <i>Curr. Opin. Immunol.</i> , 1992 , 4, 265-270	
	BZ	Manoharan, M. et al., "Lipidic Nucleic Acids", <i>Tetrahedron Letts.</i> , 1995 , 36, 3651-3654	
	CA	Manoharan M. et al., "Cholic Acid-Oligonucleotide Conjugates for Antisense Applications", <i>Bioorganic Med. Chem. Letts.</i> , 1994 , 4, 1053-1060	
	CB	Manoharan, M. et al., "Chemical Modifications to Improve Uptake and Bioavailability of Antisense Oligonucleotides", <i>Annals NY Acad. Sciences</i> , 1992 , 660, 306-309	
	CC	Manoharan, M. et al., "Introduction of a Lipophilic Thioether Tether in the Minor Groove of Nucleic Acids for Antisense Applications", <i>Bioorg. Med. Chem. Letts.</i> , 1993 , 3, 2765-2770	
	CD	Manoharan M. et al., "Oligonucleotide Conjugates: Alteration of the Pharmacokinetic Properties of Antisense Agents", <i>Nucleosides and Nucleotides</i> , 1995 , 14, 969-973	
<i>ML</i> <i>Only Eng</i> <i>abstr. cons. A</i>	CE	Martin, P., "Ein neuer Zugang zu 2'-O-Alkylribonucleosiden und Eigenschaften deren Oligonucleotide", <i>Helvetica Chemica Acta</i> , 1995 , 78, 486-504	
<i>ML</i>	CF	Mishra, R.K. et al., "Improved leishmanicidal effect of phosphorotioate antisense oligonucleotides by LDL-mediated delivery", <i>Biochim. Et Biophysica</i> , 1995 , 1264, 229-237	
	CG	Miyao, T. et al., "Stability and Pharmacokinetic Characteristics of Oligonucleotides Modified at Terminal Linkages in Mice", <i>Antisense Res. & Dev.</i> , 1995 , 5, 115-121	
	CH	Muranishi, S., "Absorption Enhancers", <i>Crit. Rev. Ther. Drug Carrier Systems</i> , 1990 , 7, 1-33	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
mg	CI	Newman et al., "Perspectives Series: Cell Adhesion in Vascular Biology", <i>J. Clin. Invest.</i> , 1997 , 99, 3-7	
	CJ	Nielsen, P.E. et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide", <i>Science</i> , 1991 , 254, 1497-1500	
	CK	Nies, A.S. et al., "Principles of Therapeutics", <i>Goodman & Gilman's The Pharmacological Basis of Therapeutics</i> , 9th Ed., Hardman et al. (eds.), McGraw-Hill, New York, NY, 1996 , Ch. 3, 43-62	
✓	CL	Nyce, J.W., "Respirable antisense oligonucleotides as novel therapeutic agents for asthma and other pulmonary diseases", <i>Exp. Opin. Invest. Drugs</i> , 1997 , 6(9), 1149-1156	
my	CM	Nyce, J.W., et al., "DNA antisense therapy for asthma in an animal model", <i>Nature</i> , 1997 , 385, 721-725 ✓	
	CN	Oberhauser, B. et al., "Effective incorporation of 2'-O-methyl-oligonucleotides into liposomes and enhanced cell association through modification with thiocholesterol", <i>Nucl. Acids Res.</i> , 1992 , 20, 533-538	
	CO	Ouchi, T. et al., "Synthesis and Antitumor Activity of Poly(Ethylene Glycol)s Linked to 5'-Fluorouracil via a Urethane or Urea Bond", <i>Drug Des. & Disc.</i> , 1992 , 9, 93-105	
	CP	Phan, S.H., "New strategies for treatment of pulmonary fibrosis", <i>Thorax.</i> , 1995 , 50, 415-421	
	CQ	Prosnyak, M.I. et al., "Substitution of 2-Amino adenine and 5-Methylcytosine for Adenine and Cytosine in Hybridization Probes Increases the Sensitivity of DNA Fingerprinting", <i>Genomics</i> , 1994 , 21, 490-494	
	CR	Ravasio, N. et al., "Selective Hydrogenations Promoted by Copper Catalysts. 1. Chemoselectivity, Regioselectivity, and Stereoselectivity in the Hydrogenation of 3-Substituted Steroids", <i>J. Org. Chem.</i> , 1991 , 56, 4329-4333	
✓	CS	Robertson, D., "Chrohn's trial shows the pros of antisense", <i>Nature Biotech.</i> , 1997 , 15, 209	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
NY	CT	Ruth, J.L., "Oligonucleotide-Enzyme Conjugates" <i>Methods of Molecular Biology</i> , Agrawal, S. (ed.), Humana Press, Totowa, NJ, 1994 , Chapter 6, 167-185		
MB	CU	Saison-Behmoaras, T. et al., "Short modified antisense oligonucleotides directed against Ha-ras point mutation induce selective cleavage of the mRNA and inhibit T24 cells proliferation", <i>EMBO J.</i> , 1991 , 10, 1111-1118		
MB	CV	Sambrook et al. (eds.), "Preparation of Radiolabeled DNA and RNA Probes", <i>Molecular Cloning: A Laboratory Manual</i> , 1989 , 2d. Ed., Chapter 10, 10.1 to 10.70		
my	CW	Sanghvi, Y.S. et al., "Oligoribonucleotides", <i>Antisense Research and Applications</i> , 1993 , CRC Press, Gait, M.J., ed., Chapter 16, pgs. 289-301		
MB	CX	Sanghvi, Y.S. et al., "Heterocyclic Base Modifications in Nucleic Acids and Their Applications in Antisense Oligonucleotides", <i>Antisense Research and Applications</i> , 1993 , CRC Press, Boca Raton, Crooke and Lebleu, eds., Chapter 15, pgs. 276-278		
my	CY	Schreier, H., "Pulmonary (poly)peptide and (poly)nucleic acid delivery", <i>Adv. Drug. Delivery Reviews</i> , 1996 , 19, 1-2		
NY	CZ	Secrist, J.A. et al., "Synthesis and Biological Activity of 4'-Thionucleosides", <i>10th International Roundtable: Nucleosides, Nucleotides and their Biological Applications</i> , Sept. 16-20 1992 , Abstract 21, Park City, Utah, 40		
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MB	DB	Smith, L.M., "Automated Synthesis and Sequence Analysis", <i>Analyt. Chem.</i> , 1988 , 60, 381-390		
NY	DC	Staunton, D.E. et al., "A Cell Adhesion Molecule, ICAM-1, is the Major Surface Receptor for Rhinoviruses", <i>Cell</i> , 1989 , 56, 850-853		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
neg	DD	Svinarchuk, F.P. et al., "Inhibition of HIV proliferation in MT-4 cells by antisense oligonucleotide conjugated to lipophilic groups", <i>Biochimie</i> , 1993 , 79, 49-54	
neg	DE	Stribling, R., et al., "Aerosol gene delivery in vivo", <i>Proc. Natl. Acad. Sci. USA</i> , 1992 , 89, 11277-11281	
neg	DF	Takakura, Y. et al., "Uptake Characteristics of Oligonucleotides in the Isolated Rat Liver Perfusion System", <i>Antisense & Nuc. Acid Drug Dev.</i> , 1996 , 6, 177-183	
	DG	U.S. Congress, Office of Technology Assessment, "The State-of-the-art in Genetic Screening", <i>Genetic Monitoring and Screening in the Workplace</i> , OTA-BA-455, U.S. Government Printing Office, Washington, D.C., 1990 , Ch. 5, 75-99	
	DH	Wahlestedt, C. et al., "Modulation of Anxiety and Neuropeptide Y-Y1 Receptors by Antisense Oligodeoxynucleotides", <i>Science</i> , 1993 , 259, 528-531	
	DI	Wahlestedt, C. et al., "Antisense oligodeoxynucleotides to NMDA-R1 receptor channel protect cortical neurons from excitotoxicity and reduce focal ischaemic infarctions", <i>Nature</i> , 1993 , 363, 260-263	
	DJ	Warren et al., "Protocols for Oligonucleotides Conjugates", <i>Methods in Molecular Biology</i> , Agrawal, S. (ed.), Humana Press, Totowa, NJ, 1994 , Vol. 26, Chapter 9, 233-264	
	DK	Wegner et al., "Intercellular Adhesion Molecule-1 (ICAM-1) in Pathogenesis of Asthma", <i>Science</i> , 1994 , 247, 456-459	
	DL	Wright, P. et al., "Large Scale Synthesis of Oligonucleotides via phosphoramidite Nucleosides and a High-loaded Polystyrene Support", <i>Tetrahedron Letts.</i> , 1993 , 34, 3373-3376	
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	DR	4,458,066	07/03/84	Caruthers et al.	35	25
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	DV	4,501,729	02/26/85	Boucher, et al.	35	27
	DW	4,587,044	05/06/86	Miller et al.	35	27
<i>✓</i>	DX	4,605,735	08/12/86	Miyoshi et al.	35	27

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	EA	WO 94/08003	04/14/94	PCT	XX	
	EB	WO 94/17093	08/04/94	PCT	XX	
<i>✓</i>	EC	WO 96/32496	10/17/96	PCT	XX	

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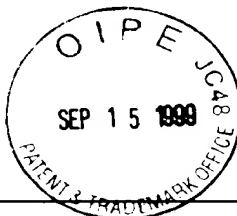
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	EF	4,689,320	08/25/87	Kaji	500	25
	EG	4,725,677	02/16/88	Köster et al.	500	25
	EH	4,762,779	08/09/88	Snitman	500	25
	EI	4,789,737	12/06/88	Miyoshi et al.	500	25
<i>mlj</i>	EJ	4,806,463	02/21/89	Goodchild et al.	500	25
<i>mlj</i>	EK	4,824,941	04/25/89	Gordon, et al.	500	25
	EL	4,828,979	05/09/89	Klevan, et al.	500	25
	EM	4,835,263	05/30/89	Nguyen, et al.	500	25
	EN	4,845,205	07/04/89	Huynh Dinh et al.	500	25
	EO	4,876,335	10/24/89	Yamane et al.	500	25
	EP	4,904,582	02/27/90	Tullis	500	25
	EQ	4,948,882	08/14/90	Ruth	500	25
	ER	4,958,013	09/18/90	Letsinger	500	25

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Examiner Initial		Document No.	Date	Country	Translation YES NO	
<i>nlj</i>	ES	WO 96/34008	10/31/96	PCT	XX	
EXAMINER <i>nlj</i>				DATE CONSIDERED <i>9/10/00</i>		



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U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
<i>me</i>	ET	4,973,679	11/27/90	Caruthers et al.	356	35	
	EU	4,981,957	01/01/91	Lebleu, et al.	356	35	
	EV	5,004,810	04/02/91	Draper	356	35	
	EW	5,013,830	05/07/91	Ohtsuka et al.	356	35	
	EX	5,023,243	06/11/91	Tullis	356	35	
	EY	5,034,506	07/23/91	Summerton et al.	356	35	
	EZ	5,082,830	01/21/92	Brakel et al.	356	35	
	FA	5,087,617	02/11/92	Smith	356	35	
	FB	5,098,890	03/24/92	Gewirtz et al.	356	35	
	FC	5,109,124	4/28/92	Ramachandran et al.	356	35	
	FD	5,112,963	05/12/92	Pieles et al.	356	35	
	FE	5,118,800	06/02/92	Smith et al.	356	35	
	FF	5,118,802	06/02/92	Smith et al.	356	35	
	FG	5,130,302	07/14/92	Spielvogel et al.	356	35	
	FH	5,132,418	07/21/92	Caruthers et al.	356	35	
	FI	5,134,066	07/28/92	Rogers et al.	356	35	
✓	FJ	5,135,917	08/04/92	Burch	356	35	
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Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>mp</i>	FK	5,138,045	08/11/92	Cook et al.	356	356
	FL	5,149,797	09/22/92	Pederson et al.	356	356
	FM	5,166,195	11/24/92	Ecker	356	356
	FN	5,166,315	11/24/92	Summerton et al.	356	356
	FO	5,175,273	12/29/92	Bischofberger et al.	356	356
	FP	5,177,196	01/05/93	Meyer, Jr. et al.	356	356
	FQ	5,177,198	01/05/93	Spielvogel et al.	356	356
	FR	5,185,444	02/09/93	Summerton et al.	356	356
	FS	5,188,897	2/23/93	Suhadolnik et al.	356	356
	FT	5,194,428	03/16/93	Agrawal et al.	356	356
	FU	5,212,295	05/18/93	Cook	356	356
	FV	5,214,134	05/25/93	Weis et al.	356	356
	FW	5,214,136	05/25/93	Lin et al.	356	356
	FX	5,216,141	06/01/93	Benner	356	356
	FY	5,218,105	06/08/93	Cook et al.	356	356
	FZ	5,220,007	06/15/93	Pederson et al.	356	356
✓	GA	5,223,618	06/29/93	Cook et al.	356	356
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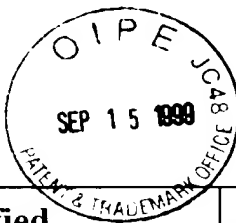
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Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>MEY</i>	GB	5,235,033	08/10/93	Summerton et al.	333	333
	GC	5,242,906	09/07/93	Pagano et al.	333	333
	GD	5,245,022	9/14/97	Weis et al.	333	333
	GE	5,254,469	10/19/93	Warren, III et al.	333	333
	GF	5,256,775	10/26/93	Froehler	333	333
	GG	5,258,506	11/02/93	Urdea	333	333
<i>X</i>	GH	5,262,536	11/16/93	Hobbs, Jr.	333	333
<i>MEY</i>	GI	5,264,423	11/23/93	Cohen et al.	333	333
<i>MEY</i>	GJ	5,264,562	11/23/93	Matteucci	333	333
<i>M S</i>	GK	5,264,564	11/23/93	Matteucci	333	333
<i>↓</i>	GL	5,272,250	12/21/93	Spielvogel et al.	333	333
<i>MEY</i>	GM	5,276,019	01/04/94	Cohen et al.	333	333
<i>MEY</i>	GN	5,278,302	01/11/94	Caruthers et al.	333	333
<i>↑</i>	GO	5,286,717	02/15/94	Cohen et al.	333	333
	GP	5,292,873	03/08/94	Rokita et al.	333	333
	GQ	5,317,098	05/31/94	Shizuya et al.	333	333
<i>✓</i>	GR	5,319,080	06/07/94	Leumann	333	333
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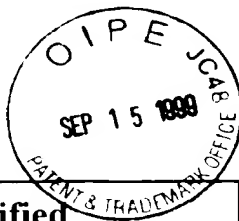
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Examiner Initial		Document No.	Date	Name	Class	Pub No.
<i>any</i>	GS	5,321,131	06/14/94	Agrawal et al.	500	2000
	GT	5,359,044	10/25/94	Cook et al.	500	2000
	GU	5,366,878	11/22/94	Pederson et al.	500	2000
	GV	5,367,066	11/22/94	Urdea et al.	500	2000
	GW	5,371,241	12/06/94	Brush	500	2000
	GX	5,378,825	01/03/95	Cook et al.	500	2000
	GY	5,386,023	01/31/95	Sanghvi et al.	500	2000
	GZ	5,391,723	02/21/95	Priest	500	2000
	HA	5,393,878	02/28/95	Leumann	500	2000
	HB	5,399,676	03/21/95	Froehler	500	2000
	HC	5,403,711	04/04/95	Walder et al.	500	2000
	HD	5,405,938	04/11/95	Summerton et al.	500	2000
	HE	5,405,939	04/11/95	Suhadolnik et al.	500	2000
	HF	5,414,077	05/09/95	Lin et al.	500	2000
	HG	5,416,203	5/16/95	Letsinger	500	2000
	HH	5,432,272	07/11/95	Benner	500	2000
✓	HI	5,434,257	08/18/95	Matteucci et al.	500	2000

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Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>My</i>	HJ	5,446,137	08/29/95	Maag et al.	513	304
<i>My</i>	HK	5,446,786	11/14/95	Buhr, et al.	513	304
<i>My</i>	HL	5,451,463	09/19/95	Nelson, et al.	513	304
<i>My</i>	HM	5,453,496	09/26/95	Caruthers, et al.	513	304
<i>My</i>	HN	5,455,233	10/03/95	Spielvogel et al.	513	304
<i>My</i>	HO	5,457,187	10/10/95	Gmeiner et al.	513	304
<i>My</i>	HP	5,459,255	10/17/95	Cook et al.	513	304
	HQ	5,466,677	11/14/95	Baxter et al.	513	304
	HR	5,470,967	11/28/95	Huie et al.	513	304
	HS	5,476,925	12/19/95	Letsinger et al.	513	304
	HT	5,484,908	01/16/96	Froehler et al.	513	304
	HU	5,486,603	06/23/96	Buhr	513	304
	HV	5,489,677	02/06/96	Sanghvi et al.	513	304
	HW	5,491,133	02/13/96	Walder et al.	513	304
	HX	5,502,177	03/26/96	Matteucci et al.	513	304
	HY	5,506,351	04/09/96	McGee	513	304
✓	HZ	5,508,270	04/16/96	Baxter et al.	513	304
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Examiner Initial		Document No.	Date	Name	Cites	Substantive
<i>ms</i>	IA	5,510,475	04/23/96	Agrawal et al.	336	336
	IB	5,512,439	04/30/96	Hornes et al.	495	495
↓	IC	5,512,667	04/30/96	Reed et al.	336	336
<i>ms</i>	ID	5,514,785	05/07/96	Van Ness et al.	336	336
<i>ms</i>	IE	5,514,788	05/07/96	Bennett et al.	336	336
	IF	5,519,126	05/21/96	Hecht	336	336
	IG	5,519,134	05/21/96	Acevedo et al.	336	336
	IH	5,521,302	05/28/96	Cook	336	336
	II	5,525,465	06/11/96	Haralambidis et al.	495	495
	IJ	5,525,711	06/11/96	Hawkins et al.	336	336
	IK	5,536,821	07/16/96	Agrawal et al.	336	336
	IL	5,539,082	07/23/96	Nielsen et al.	336	336
	IM	5,539,083	07/23/96	Cook et al.	336	336
	IN	5,541,306	07/30/96	Agrawal et al.	336	336
	IO	5,541,307	07/30/96	Cook et al.	336	336
	IP	5,541,313	07/30/96	Ruth	336	336
✓	IQ	5,543,508	08/06/96	Haseloff et al.	336	336
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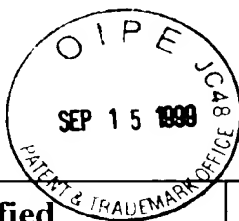
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Examiner Initial		Document No.	Date	Name	Class	Class
<i>mf</i>	IR	5,545,729	08/13/96	Goodchild et al.	35	25
	IS	5,545,730	08/13/96	Urdea et al.	35	25
	IT	5,550,111	08/27/96	Suhadolnik et al.	35	25
	IU	5,552,538	09/03/96	Urdea et al.	35	25
	IV	5,552,540	09/03/96	Haralambidis	35	25
	IW	5,561,225	10/01/96	Maddry et al.	35	25
	IX	5,563,253	10/8/96	Agrawal, et al.	35	25
	IY	5,565,350	10/15/96	Kmiec	35	25
	IZ	5,565,552	10/15/96	Magda et al.	35	25
	JA	5,567,810	10/22/96	Weis et al.	35	25
	JB	5,567,811	10/22/96	Misiura et al.	35	25
	JC	5,571,799	11/05/96	Tkachuk et al.	35	25
	JD	5,574,142	11/12/96	Meyer, Jr. et al.	35	25
	JE	5,576,427	11/19/96	Cook et al.	35	25
	JF	5,578,717	11/26/96	Urdea et al.	35	25
<i>✓</i>	JG	5,578,718	11/26/96	Cook et al.	35	25
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<i>ms</i>	JH	5,580,731	12/03/96	Chang et al.	406	4
	JI	5,582,972	12/10/96	Lima et al.	406	5
	JJ	5,582,986	12/10/96	Monia et al.	406	5
	JK	5,585,481	12/17/96	Arnold, Jr. et al.	506	506
	JL	5,587,361	12/24/96	Cook et al.	506	506
	JM	5,587,371	12/24/96	Sessler et al.	506	506
	JN	5,587,469	12/24/96	Cook et al.	506	506
	JO	5,591,584	01/07/97	Chang et al.	406	4
	JP	5,591,623	01/07/97	Bennett et al.	406	506
	JQ	5,591,722	01/07/97	Montgomery et al.	506	506
	JR	5,594,121	01/14/97	Froehler et al.	506	506
	JS	5,595,726	01/21/97	Magda et al.	506	506
	JT	5,595,978	01/21/97	Draper et al.	506	4
	JU	5,596,086	01/21/97	Matteucci et al.	506	506
	JV	5,596,091	01/21/97	Switzer	506	506
	JW	5,597,696	01/28/97	Linn et al.	406	5
<i>V</i>	JX	5,597,909	01/28/97	Urdea et al.	506	506
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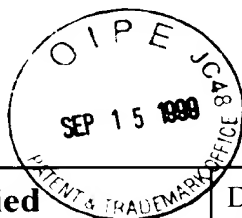
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<i>mes</i>	JY	5,599,923	02/04/97	Sessler et al.	380	100
<i>1</i>	JZ	5,599,928	02/04/97	Hemmi et al.	380	100
	KA	5,602,240	02/11/97	De Mesmaeker et al.	380	100
	KB	5,608,046	03/04/97	Cook et al.	380	100
	KC	5,610,289	03/11/97	Cook et al.	380	100
	KD	5,610,300	03/11/97	Altmann et al.	380	100
	KE	5,614,617	03/25/97	Cook et al.	380	100
<i>✓</i>	KF	5,618,704	04/08/97	Sanghvi et al.	380	100
<i>MS</i>	KG	5,620,963	04/15/97	Cook et al.	380	100
<i>MS</i>	KH	5,623,065	04/22/97	Cook et al.	380	100
	KI	5,623,070	04/22/97	Cook, et al.	380	100
	KJ	5,625,050	04/29/97	Beaton, et al.	380	100
	KK	5,627,053	05/06/97	Usman, et al.	380	100
	KL	5,633,360	05/27/97	Bischofberger, et al.	380	100
	KM	5,639,873	06/17/97	Barascut, et al.	380	100
	KN	5,646,265	07/08/97	McGee	380	100
<i>✓</i>	KO	5,652,355	07/29/97	Metelev et al.	380	100
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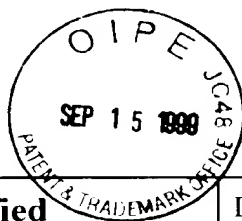
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<i>MEJ</i>	KP	5,652,356	07/29/97	Agrawal	5B	38
	KQ	5,658,873	08/19/97	Bertsch-Frank et al.	5B	38
	KR	5,661,134	08/26/97	Cook et al.	5B	38
	KS	5,663,312	09/02/97	Chaturvedula	5B	38
	KT	5,670,633	09/23/97	Cook et al.	5B	38
	KU	5,677,437	10/14/97	Teng et al.	5B	38
	KV	5,677,439	10/14/97	Weis et al.	5B	38
	KW	5,681,747	10/28/97	Boggs et al.	5B	38
	KX	5,681,941	10/28/97	Cook et al.	5B	38
	KY	5,688,941	11/18/97	Cook et al.	5B	38
	KZ	5,697,248	12/16/97	Brown	5B	38
	LA	5,700,920	12/23/97	Altmann et al.	5B	38
	LB	5,700,922	12/23/97	Cook	5B	38
	LC	5,714,331	02/03/98	Buchardt et al.	5B	38
	LD	5,716,780	02/10/98	Edwards et al.	5B	38
✓	LE	5,719,262	02/17/98	Buchardt et al.	5B	38
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***	LP	08/383,666	02/03/95	Cook et al.		
***	LG	08/398,901	03/06/95	Cook et al.		
***	LH	08/465,380	00/06/95	Cook et al.		
***	LI	08/468,037	06/06/95	Cook et al.		
***	LJ	08/762,488	12/10/96			
***	LK	08/777,266	12/31/96	Bennett et al.		
***	LL	09/009,490	01/20/98	Bennett et al.		
***	LM	09/016,520	01/20/98			
***	LN	09/044,506	03/19/98	Bennett et al.		
***	LO	09/062,416	04/17/98	Bennett et al.		
***	LP	09/071,433	05/01/98	Bennett et al.		
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*** Pursuant to 37 C.F.R. 1.98(a)(2)(iii), no copy of a U.S. patent application need be included with an Information Disclosure Statement filed under 37 C.F.R. 1.97.